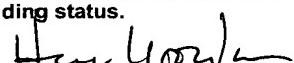


FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004)		ATTORNEY'S DOCKET NUMBER 14-03
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/544180
INTERNATIONAL APPLICATION NO. PCT/US2004/003545	INTERNATIONAL FILING DATE 05 February 2004	PRIORITY DATE CLAIMED 06 February 2003
TITLE OF INVENTION GALACTURONOSYLTRANSFERASES, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR		
APPLICANT(S) FOR DO/EO/US Debra MOHNEN, Jason Dwight STERLING, Ron Lou DOONG, Venkata Silva Kumar KOLLI, and Michael G. HAHN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. <input checked="" type="checkbox"/> The US has been elected (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input checked="" type="checkbox"/> has been communicated by the International Bureau. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 		
Items 13 to 23 below concern document(s) or information included:		
<ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A power of attorney and/or change of address letter. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13/er.2 and 37 CFR 1.821 - 1.825. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). <input checked="" type="checkbox"/> Express Mail Label No. EV 642 817 701 US <input checked="" type="checkbox"/> Other items or information: Receipt postcard Sequence listing on paper Sequence diskette Application Data Sheet Sequence Statement Certificate of Mailing 		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/544180		INTERNATIONAL APPLICATION NO. PCT/US2004/003545		ATTORNEY'S DOCKET NUMBER 14-03																										
24. The following fees are submitted: <table> <tr> <td><input type="checkbox"/> a) Basic national fee</td> <td>\$300.00</td> <td colspan="2">Applicant use</td> <td colspan="2">Office use</td> </tr> <tr> <td><input type="checkbox"/> b) Examination fee</td> <td>\$200.00</td> <td>\$</td> <td>\$300.00</td> <td>\$</td> <td>\$200.00</td> </tr> <tr> <td><input type="checkbox"/> c) Search fee</td> <td>\$500.00</td> <td>\$</td> <td>\$500.00</td> <td>\$</td> <td>\$500.00</td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$1000.00</td> <td colspan="2">\$</td> <td>\$1,000.00</td> </tr> </table> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>						<input type="checkbox"/> a) Basic national fee	\$300.00	Applicant use		Office use		<input type="checkbox"/> b) Examination fee	\$200.00	\$	\$300.00	\$	\$200.00	<input type="checkbox"/> c) Search fee	\$500.00	\$	\$500.00	\$	\$500.00	TOTAL OF ABOVE CALCULATIONS =		\$1000.00		\$		\$1,000.00
<input type="checkbox"/> a) Basic national fee	\$300.00	Applicant use		Office use																										
<input type="checkbox"/> b) Examination fee	\$200.00	\$	\$300.00	\$	\$200.00																									
<input type="checkbox"/> c) Search fee	\$500.00	\$	\$500.00	\$	\$500.00																									
TOTAL OF ABOVE CALCULATIONS =		\$1000.00		\$		\$1,000.00																								
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)		RATE																										
- 100 =	/50 =			x \$250.00	\$ \$0.00																									
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).																														
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																											
Total claims	24 - 20 =	4	x \$50.00	\$ \$200.00																										
Independent claims	6 - 3 =	3	x \$200.00	\$ \$600.00																										
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00 \$ \$0.00																														
TOTAL OF ABOVE CALCULATIONS = \$ \$1,930.00																														
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.																														
SUBTOTAL = \$ \$965.00																														
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																														
TOTAL NATIONAL FEE = \$ \$965.00																														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00																														
TOTAL FEES ENCLOSED = \$ \$965.00																														
Amount to be refunded:																														
Amount to be charged:																														
a. <input checked="" type="checkbox"/> A check in the amount of \$ \$965.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is _____ c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1969 . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																														
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																														
SEND ALL CORRESPONDENCE TO: GREENLEE WINNER AND SULLIVAN 4875 Pearl East Circle, Suite 200 Boulder, CO 80301 Telephone (303)499-8080 Facsimile (303) 499-8089 Email: winner@greenwin.com																														
 SIGNATURE Heeja Yoo-Warren NAME 45,495 REGISTRATION NUMBER																														

10/5 44180

JC14 Rec'd PCT/PTO 02 AUG 2005

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Attorney Docket No.: 14-03

Applicant(s): Mohnen et al.
Serial No.: Not yet assigned
Filing Date: August 2, 2005
Title: **GALACTURONOSYLTRANSFERASES, NUCLEIC ACIDS
ENCODING SAME AND USES THEREFOR**

I hereby certify that the following correspondence:

1. Check for \$965.00
2. Return postcard
3. Transmittal Letter to DO/EO/US for submission under 35 U.S.C. 371 (2 pgs)
4. Preliminary Amendment (6 pgs)
5. Sequence Listing on diskette
6. Sequence Listing on paper (78 pgs)
7. Sequence Statement
8. Application Data Sheet (4 pgs)

Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to:

Commissioner for Patents,
PO Box 1450
Alexandria, VA 22313-1450

On August 2, 2005

B. Kroge

(Typed or Printed Name of Person Mailing Correspondence)

B. Kroge

(Signature of Person Mailing Correspondence)

EV 642 817 701 US

("Express Mail" Mailing Label Number)